

## Certificate of Analysis

### Compound Information

**Product Name:** L-Carnitine (tartrate)

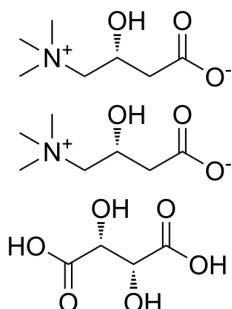
**Cat. No.:** 1228800

**CAS No.:** 36687-82-8

**Molecular Formula:** C<sub>18</sub>H<sub>36</sub>N<sub>2</sub>O<sub>12</sub>

**Molecular Weight:** 472.48

**Chemical Structure:**



### Batch Information

**Batch No.:** Le041967749

**Storage:** Storage temp. 2-8°C

**Test Date:** 2021-04-20

**Retest Date:** 2024-04-19

**Origin:** Shanghai, China

### QC Summary

**Appearance:** White to off-white (Crystal)

**<sup>1</sup>H NMR Spectrum:** Consistent with structure

**Optical Rotation:** Consistent with structure

**Purity (NMR):** ≥98.0%

**Water(KF):** 0.11%

**Residue on Ignition:** 0.03%

**Conclusion:** The product has been tested and complies with the given specifications.

**Caution: Research use only and are not intended for human use.**

Tel: 400-821-0725

E-mail: [product@leyan.com](mailto:product@leyan.com)

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai